Amateur Radio Newsline(tm) Report 1653 - April 17 2009

Amateur Radio Newsline report number 1653 with a release date of Friday, April 17th, 2009 to follow in 5-4-3-2-1.

The following is a Q-S-T. Ham radio replaces telephones after vandals cut cables in northern California, ham radios post earthquake response winds down in Italy, the murderer of two hams at sea is sentenced to death and more on a not so funny ham radio April Fools joke that has now reached all the way to the FCC. Find out the details on Amateur Radio Newsline(tm) report number 1653 coming your way right now.

(Billboard Cart Here)

**

RESCUE RADIO: NORCAL HAMS RESPOND TO CUT CABLE PHONE OUTAGE

Investigators say that they are looking for leads to find the criminal vandals that cut a number of northern California fiber optic cables that took out telephone and Internet service across southern Santa Clara, Santa Cruz and San Benito counties. This, as ham radio operators stepped in to provide communications alternatives for medical and emergency services effected by the outage. Amateur Radio Newsline's Bill Pasternak, WA6ITF, is in the newsroom with more:

--

According to news reports, phones and Internet service went dead when one or more vandals severed 10 underground cables. Most were in San Jose, where the first four belong to AT&T were cut shortly before 1:30 a.m. on Thursday morning, April 9th. Four more underground were cut about two hours later at two locations in San Carlos, authorities said. Two others were cut in south San Jose. In ecah case the vandals had to access manhole covers weighing in excess of 250 pounds each.

Santa Clara County declared a state of local emergency as a result of the widespread outage. Among those services affected in all three counties by the sabotage were public safety crews that rely on 911 calls, hospitals trying to access medical records and people who wanted to make a landline or cell phone call. Jumping in to fill the communications gap were a number of the regions first responder amateur radio groups.

According to volunteer communicator Craig Smith, W6WL, ham radio operators organized themselves to assist with communications between hospitals. About 25 operators were handling the radio traffic while another 50 to 60 had signed up to fill in when other volunteers got tired.

Meantime other teams of ham radio operators set up at Dominican, Sutter and Watsonville Community hospitals and a local American Red Cross office. They handled tactical traffic and messages between medical care providers, such as relaying information from one doctor to another.

News reports say that some of the hams who responded were the same

operators who helped with communications during last summer's devastating wildfires and during the 1989 Loma Prieta earthquake.

Repairs were completed, and full service was restored early Friday, April 10th. That was about 24 hours after the first problems were reported.

For the amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in Los Angeles.

--

So far no suspects have been named. Police revealed only that they are tracking down a bunch of leads and reviewing traffic-camera footage taken near one of four sites where the cables were cut in hopes of catching the culprits who committed the cable cutting crime. A total of a quarter million dollars is being offered for tips that lead their arrest and conviction. (WA6UHA, WA6LIE, SFNewsOnLine, others)

**

RESCUE RADIO: HAM RADIO HF QUAKE OPERATIONS IN ITALY WIND DOWN

Amateur radio High Frequency operations related to last weeks deadly earthquake that devastated L'Aquila Italy have wound down. This, according to Alberto Barbera, IK1YLO, who is the IARU National Emergency Communications Coordinator for that European nation

He reports via IARU Region 1 Emergency Communications Coordinator, Greg Mossop, G0DUB, that he received a phone call on April 10th from the nations civil response agency stating that the use of ham radio on the High Frequency bands for emergency communications was being terminated. Also that all relief efforts were being transferred directly to L'Aquila.

Mossop says that monitoring the frequencies in use right after the quake shows no other emergency groups using them, so it is appropriate to return it to normal use. However since the post quake recovery is still ongoing, Mossop says to please listen before transmitting. If you hear any station passing emergency traffic please leave the frequency clear and avoid causing QRM. (Southgate, others)

**

RADIO LAW: FCC PROPOSES UP TO 20 MHz AT 70CM FOR MEDICAL BREAKTHROUGH

The FCC has suggested the allocation of 20 MHz of prime UHF spectrum in 413 to 456 MHz band for a truly worthy cause. But one that could adversely impact current spectrum users including the Amateur Radio and Amateur Satellite services.

FCC Notice of Proposed Rulemaking ET Docket 09-36 seeks comment on a recommendation to allocate up to 20 MHz of currently occupied UHF band space for use by wireless medical devices. These are tiny appliances could be implanted into the human body and used to restore sensation and mobility to paralyzed limbs and organs.

The devices would act as a wireless medical micro-power network within the patient. Among the conditions that could be treatable using them include

polio, Lou Gehrig's disease, cerebral palsy, and spinal cord injuries.

The 400 MHz band is targeted because it is optimal for RF propagation through body tissue. The devices would require at least 5 MHz of bandwidth to function and would operate on a low power, secondary non-interference basis.

Twenty MHz of spectrum in four band segments are proposed so that the device would have multiple options in case one band segment was already in use in a given area. These are 413 to 419 MHz, 426 to 432 MHz, 438 to 444 MHz and 451to 457 MHz. Its assumed this allocation would be on a secondary, non-interfering use with current users of this band space. In fact, comments are also being sought on the potential for interference between these new devices and current spectrum users. Amateur radio and amateur satellites have heavily used allocations in the 420 to 450 MHz band.

In announcing the release of ET Docket 09-36 acting Commission Chairman Michael Copps stated that he was pleased to support this Notice of Proposed Rulemaking which he says examines the possible allocation of additional spectrum and service rules for use by advanced wireless devices. He indicates that this new technology could significantly enhance the quality of life of many Americans that suffer from a wide array of neuromuscular disorders.

The text of the FCC news release can be found at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-289482A1.doc or http://tinyurl.com/ct8ntw) (FCC)

**

THE BPL WAR: FIBEROPTICS IN AND BPL OUT DOWN UNDER

Hams down-under appear to be safe from the rollout of a nationwide Broadband over Powerline or BPL system. This as Australia's government announces that it will be building a system based on fiber optic technology. Graham Kemp, VK4BB, is in Brisbane with the details:

--

The Australian Federal Government has announced its decision on Australias National Broadband Network. In a surprise move, instead of deploying a widely expected half-way-house fiber-to-the-node (FttN) solution from a consortium of companies, the Government is moving ahead with its own full-blown 100Mb/s fibre to the home rollout, (FttH). The reported $43 billion project will include a mix of government and private sector funding which may or may not include telecommunications companies.

Telecommunications analyst Paul Budde states: "This is the most ambitious infrastructure ever undertaken in Australia and will be the most ambitious FttH network anywhere undertaken in the world. The Australian Government is one of the few governments who, in a holistic way, understand the importance of broadband across the various sectors. This network is not just for high-speed Internet and entertainment but, more importantly, for healthcare, education,
smart grids, etc".

This is good news for Australian's in general, and also for Australian radio amateurs. Australia's largest telecommunications carrier, Telstra, was excluded from the original selection process on the grounds of submitting a non-compliant bid, however, as Telstra owns most of the copper cable in the ground, any fiber-to-the-node solution which did not include Telstra would have resulted in a variety of 'alternative' access technologies used to connect the ï¿½node' to customers premises. Although there may be many steps along the way, the predominant access technology in Australian cities will now be fiber, and in less populated areas will likely be wireless.

This decision would appear to remove the possibility of widespread interference to radio communications from any network-wide adoption of BPL technology, but still leaves as a concern the possibility of interference from in-home use of BPL as an internal distribution technology.

--

The decision by Australia to opt away from BPL is likely a major blow to the world-wide implementation of this technology. This is because other nations will look at Australia's decision to go fiber and based upon it reconsider any commitment to BPL. (WIA News)

**

RESTRUCTURING: NEW ZEALAND MAY INTRODUCE FOUNDATION CLASS

New Zealand appears headed toward the introduction of an entry level Foundation Class ham radio operating permit. This according to the February minutes of the New Zealand national amateur radio society NZART . .

The minutes report that ZL2UFI has presented a draft document on the creation of a Foundation Amateur Operators Certificate. Also that the Council agreed that while future members on Council may not share the view of an additional license that the present Council members had been tasked at the Annual General Meeting in Dunedin 2008 to proceed with the option of a Foundation Certificate.

But there is one caveat. Any New Zealand Foundation Class will not be considered as a full license. Rather it will be a Foundation Certificate so that the nations telecommunications regulator the MED is not forced to introduce a new grade of examination. MED will only have to make a change in New Zealand's Radio Regulations. (NZART)

**

BREAK 1

This week from the Auckland New Zealand and the United States of America, we are the Amateur Radio Newsline, heard on bulletin stations around the world including the K4LJP repeater system serving West Palm Beach, Florida.

(5 sec pause here)

**

RESTRUCTURING: INDONESIA HAMS GET CENTRALIZED LICENSING

Some welcome changes to the rules governing ham radio in Indonesia. This as that nations telecommunications regulator says that its taking over all aspects of issuing licenses. John Lego, VK3BUI, reports:

--

The Indonesian Government is seeking to take a central control of licenses for radio amateurs ending the current practice of permits being issued by provincial authorities. The Jakarta Global National reports that the proposed action is to plug a loop hole in permit issuing that has apparently resulted in commercial broadcasting.

Communications and Information Technology Ministry spokesman Gatot Dewa Broto says that new amendments are aimed at strengthening the guidelines for amateur radio activities.

He says ham radio is vital for establishing contact with areas where there are no telephone lines or cellphone access, including areas left without communications after disaster struck. In particularly the government recognizes the very good response by radio amateurs to the Indian Ocean Tsunami in December 2004 that severely hit the Indonesian provinces of Aceh and North Sumatra.

The IARU member society ORARI -- the Organisasi Amatir Radio Indonesia -- Secretary General Suryo Susilo YB0JTR says the new draft rules amend the permit application and frequency granting procedures. He said ORARI has been involved in the drawing up of the draft amendments which will be of benefit to ORARI's activities and radio amateurs, and demonstrates government support for them.

I'm John, VK3BUI.

--

No date was announced as to when the changes in Indonesian radio law will occur. (WIA News)

**

RADIO JUSTICE: MUDERER OF KD7VWJ AND KD7VWK SENTENCED TO DEATH

Back in the United States, The man who masterminded the murders of two hams in order to try to steal their boat and their life savings will pay the ultimate penalty. Bruce Tennant, K6PZW, has been following this case and has the latest:

--

The next stop for Skylar Deleon is Death Roe at California's San Quentin prison. This, after a California judge has sentences the former child

actor to death for murdering an Arizona ham couple by tying them to an anchor and throwing them overboard from their yacht off the southern California coastline.

The same jury that had convicted Deleon last November of killing Tom and Jackie Hawks KD7VWJ and KD7VWK recommended that he be put to death. On Friday, April 10th Orange County Superior Court Judge Frank F. Fasel officially imposed the jury's recommendation that Deleon forfeit his life to pay for his crimes.

In fact, in his sentencing order Judge Fasel stated: "It is the judgment and order of this court you shall suffer the death penalty as to each count."

This, a reference to the findings that the Hawkes murders were premeditated and that Deleon was convicted for each one with special circumstances. That special circumstance was multiple murder for profit and is what made him eligible for the death penalty.

As previously reported, prosecutors say that Deleon faked interest in buying the Hawkes yacht and that he and his accomplices forced them to sign the boat over and then killed them during a test cruise in 2004. Three others including Deleon's former wife Jennifer have also been convicted of the same or related charges. Accomplice John Fitzgerald Kennedy's recent trial jury also recommended the death penalty. He will be formally sentenced sometime in May.

But Deleon will likely not be put to death anytime soon. Under California state law there are a series of automatic appeals that could go on for several years.

For the Amateur radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

--

Deleon was also convicted in the 2003 killing of Jon Jarvi, whom he reportedly met on a work furlough program. (ARNewsline(tm) from published reports)

**

ON THE NET: BAD APRIL FOOLS JOKE CONTINUES TO BACKFIRE

When is a ham radio April Fools joke stop being an April Fools joke? How about when the FCC and county officials get involved. Randy Malick, KF0X, reports:

--

That not so funny April Fools Internet article reported on last week -- the one claiming that San Louis Obispo County California had banned ham radio operations as a health hazard has now reached all the way back to the nations capital. In fact its entered the doors at the FCC.

According to the ARRL, San Luis Obispo County officials were notified by the Federal Communications Commission on Wednesday, April 8th of the story

which carried a date of April 1st. The FCC reported it had received a number inquiries about the posting, which first noted on radiobanter.com web log and was later picked up by Google Groups and re-posted world wide.

As a result of this and other notifications from the local southern California ham community, the San Luis Obispo County Office of Emergency Services has issued a statement. One that confirms the story to be a fraud while heaping praise on the nations ham radio community.

The release says in part that not only is the online story not true, but San Luis Obispo County government, along with the incorporated cities within the county and other entities work hand-in-hand with Amateur Radio operators. Hams who the county says are always ready to provide alternate and back-up communications in case of unique emergencies or disasters.

But that's not all. It added that that the County looks to sign ham radio operators up as Disaster Service Workers to assist in times of need and it calls their assistance absolutely appreciated.

Lastly, the county notes that radio amateurs have communications set up, or wired to be set up quickly, in city Emergency Operations Centers, the County EOC and other emergency and disaster coordination sites throughout the area. Obviously this is a very strong bond between the county and its ham radio community and one that no nameless blogger is going to break.

For the Amateur Radio Newsline, I'm Randy Malick, KF0X, in Tucson.

--

Meantime, hams across southern California and neighboring areas are getting increasingly agitated as the Internet-based rumor continues to spread. More and more calls are being heard for an investigation to locate, expose and if possible to prosecute the person who wrote and posted the article. There has also been at least one suggestion of a class action suit against the author for defaming the amateur radio service. If legal action is not possible then some feel that its apropos to at least publicly identify the person so as to subject him or her subject to public ridicule. This, in the hope that he or she will leave the hobby and never return. (ARNewsline(tm), ARRL, listener input and other published reports)

**

RADIO LAW: PRB-1 DOES NOT APPLY IN MOBILE HOME PARK

If you live in a mobile home park and the park managers tell you that you canny have a ham radio antenna, don't go to the FCC and ask it to impose PRB One. As one ham recently found out, the FCC is not going to do it. Here's Don Carlson, KQ6FM, with the reason the Commission says its not going to get involved:

--

In its second PRB-1 related ruling in the past two weeks, the FCC has again said that thiss aspect of federal preemption does not apply in cases where conditions, covenants and other deed restrictions are in force. This now includes hams living in mobile home parks where the management says that no

outdoor antennas are allowed.

By way of background, back in October 2007, Christopher Kaczmarek, KB8MLC, of Saginaw, Michigan, asked the FCC if PRB-1 could be enforced to require the mobile home park in which he lives in to let him keep his ham radio antenna system. He had previously been notified by the parks management that no antennas of any type were allowed.

On April 6, 2009, the FCC denied Kaczmarek's request. In its ruling the regulatory agency noted that PRB-1 covers only state and local regulation of antenna structures. The agency told Kaczmarek that it is hesitant to become involved in the area where agreements between private parties are voluntarily established and freely entered into. This includes whatever restrictions that a mobile home park places on its space renters.

The FCC also noted that twice before it has addressed this same issue and that in all cases it has chosen not to preempt private land use regulations that restrict the installation of antennas and associated support structures used by Amateur Radio stations. This means that Kaczmarek or anyone else who wants to challenge a mobile home parks restrictions on outdoor antennas is going to have to do so in court, on their own.

For the Amateur Radio Newsline, I'm Don Carlson, KQ6FM in Reno.

--

The bottom line appears to be that the FCC is not the place to go to look for relief from deed and renters agreements that preclude ham radio antennas. Rather its going to take congressional action to declare these restrictions as unconstitutional before the FCC will act. (FCC release)

**

SUGGESTED READING: THE IARU REGION 3 NEWSLETTER

A new issue of the IARU Region 3 newsletter is available to download. Among the items covered are this weekends World Amateur Radio Day and Global Simulated Emergency Test both on April 18th. Also included are reports on the recent Australian bushfire disaster and the now underway expansion of 40 Meter band. You can get copies in aP DF version: http://www.iaru-r3.org/news/r3nl-09-04.pdf or Word version at http://www.iaru-r3.org/news/r3nl-09-04.doc (IARU Region 3, Southgate)

**

BREAK 2

This is ham radio news for today's radio amateur. This week from beneath the Southern Cross, we are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

RADIO BUSINESS: BUCKMASTER HAMCALL DATABASE EXCEEDS 2 MILLION

Buckmaster Publishing' has announced that its HamCall Callsign Database now exceeds 2,000,000 world-wide callsigns, with data from over two hundred countries.

HamCall says that it is the world's largest callsign database and is available on CD-ROM as well as on the hamcall.net website. A typical callsign listing includes mailing address, e-mail address, accurate latitude/ longitude, grid square, QSL manager, previous callsigns, photo and much more. And for those who want to have all of this information on their home computer a new HamCall CD-ROM is published each month.

For further information on HamCall and other Buckmaster products please contact: Jack Speer, N1BIC, at Buckmaster Publishing, 6196 Jefferson Hwy, Mineral, Virginia 23117. Or you can e-mail Jack to info (at) buck (dot) com. Either way you will get a quick response for one of the nicest people that we have ever met who is serving the needs of the world-wide ham radio community. (ARNewsline(tm) via press release)

**

HAM HAPPENINGS: AIRVENTURE 2009

The Fox Cities Amateur Radio Club will host a special event station from the Pioneer Airport durring the EAA's Airventure 2009 Airshow. The cub will be on the air daily on Wednesday July 29th through Sunday August 30th. This, from 1300 to 2100 UTC on 20 and 40 meters SSB and 6 meter FM. . Further information is on-line at www.fcarc.us or by e-mail to ab9ah (at) arrl (dot) net (Via e-mail)

**

HAM RADIO IN SPACE: NZ KIWI-SAT GETS ADDED FINANCIAL SUPPORT

New Zealand's KiwiSat has gotten some additional funding in the form of a $1000 from the Auckland VHF Group. This money will be used for the purchase of the special Aluminum blocks from which the very structure of KiwiSAT will be milled by Mike Jack of Stanier Engineering. Stanier is a small precision engineering company based in Auckland. Video of the milling process will be available on the KiwiSat website at kiwisat.org/index.html. (ANS)

**

ON THE AIR: DEBRECEN OCCUPATION ON THE AIR REMINDER

Hungarian radio amateurs from the city of Debrecen will be active as the special call HG160FNY through July 31st. This ias an on the air activity is to remind everyone of the historical event 160 years ago where the Austrian army occupied the then capital city of Debrecen and of
 Transdanubium.

The principal special callsign will be HG160FNY will be used by several different operators. Listen out for it on all of the HF bands as well as VHF and UHF using various modes including some digital. QSOs are good

towards the commemorative diploma. The QSL Manager is Zoli, HA0DX. (OPDX)

**

ON THE AIR: BULGARIA CELEBRATES CW

Members of the Bulgarian Federation of Radio Amateurs will be active as LZ8WHST. This, to promote the next World High Speed Telegraphy Championship to be held in Obzor, Bulgaria, from September 11th to the 15th.

This special callsign will be randomly activated by several different federation operators from their home QTH and will be active until the end of September. Operation will be 99% CW, with the possibility of some occasional SSB and digital contacts. QSL via LZ1PJ. (Southgate)

**

ON THE AIR: THE CARABINIERI AWARD

Its almost Carabinieri Award time. The aim of the Carabinieri Award is for amateurs and SWL around the world to contact or listen and log as many Carabinieri On The Air members. This, between 07:00 on May 20th and 19.00 UTC on June 5th. Contacts can be made using the 80, 40 and 20m bands on SSB, CW, PSK31 or RTTY and you are allowed one contact a day for the same band using the same mode with the same Carabinieri member. The official list of Carabinieri On The Air award amateurs as well as details of the points system and award that are available, are on line at www.cota.ce.
 (COTA)

**

DX

In DX, word that HB9TZA says that he will spend his Easter holidays on Malta and on the air through April 23rd as 9H3JR. Listen out for him mainly on 40 and 17 meters using SSB though he might show up on other high frequency bands as well. QSL via I2JJR.

OH4MDY is back again in Cambodia and is signing the call XU7MDY on CW, SSB, RTTY and PSK31/ Hes reportedly operating on 80 through 10 meters and will be at the location through April 21st. QSLs only direct via Reijo Laitinen, Mantytie 13, 76940 Nenonpelto, Finland.

The "4 M 5 DX Group" is planning another activity as Y-W-Zero-A from Aves Island. Up to 15 operators will be on using SSB, CW and RTTY on 160 through 6 meters but the activity is depending on the transportation by the Venezuelan navy. QSL this one to IT9DAA direct, via the bureau or electronically using Logbook to the World.

And word that SV1JG, will be active from the Maldives as 8Q7SV between April 29th and May 5th. His operation will be mostly CW and digital modes on all bands. QSL via SV1JG, direct or by the bureau.

N7EAA will be active from Guyana as 8R1AD between April 20th and May 3rd. Operations will be on 20 meters using CW, SSB and PSK31. The operators say that they plan to look for stations who are young

ham operators and running low power. QSL via N7EAA.

Lastly, G3RWL, is once again active as 8P6DRfrom Barbados through April 24th. His operation is holiday style on 160 through 10 meters using CW and the Digital modes only. But don't look for him on April 18th or maybe a few days afterward as the 18th is his wedding day and he will likely have things other than ham radio on his mind. But if you make contact QSL via his home callsign, direct or via the bureau. We say congratulations to the new bride and the groom.

(Above from various DX news sources)

**

THAT FINAL ITEM: AC0MX TAKES PRIZE WITH HAM RADIO AT SCIENCE FAIR

And finally this week, a big shout out of congratulations to Jill Niemeier, AC0MX. This, on her award in engineering at the 53rd Annual Southeast Missouri Regional Science Fair.   Rebecca Bruce, reports:

--

According to the Dulkin Democrat on-line newspaper, in her first year of competing in the science fair at the senior level, Jill Niemeier, AC0MX entered the third part in her continuing project "Emergency Communications."   She not only took the second place in engineering, but also the Cape Girardeau Area Engineers Club Award, a U.S. Savings Bond, and a U.S. Army Award. Her first two entries at the junior level received several awards and acclamations as well.

But Jill's interest is not just in winning Science Fair's and awards. Rather it is in helping the community as evidenced by her newest aspect of the project titled "Emergency Communications Propagation." This is described as a micro-propagation study of the two-meter amateur radio band specific to emergency communications in a public school setting.

Jill's project focuses on helping the different campuses in the Kennett School District communicate with each other during a disaster. To accomplish this study, AC0MX is in the process of setting up low-power radio systems for the five campuses in the district. Each case will is equipped with a radio, a police scanner, a pack of batteries, and several adapters allowing the radio to draw power from vehicle batteries. A Health Services representative at each location will be trained and licensed to use the gear.

But that's not all. To go along with the radio aspect of the project, Jill Niemeier gathered GPS data for every entry into every building on each campus. This information will be useful in the event that the buildings are on the ground. In planning for her project, AC0MX pursued the theory that if the New Madrid Fault area ever has a major earthquake, the normal means of communication will be lost. She wants to make certain that schools will be able to continue to talk with the outside world in such a circumstance.

For the Amateur Radio Newsline, I'm Rebecca Bruce, no call yet, In Los

Angeles.

--

Jill is the daughter of Donna Gill and Mark Niemeier and attends Kennett High School. Her research project began four years ago when she became a member of the school's amateur radio club. That's where she became interested in radio operation, propagation, and emergency communications.. In 2007, Jill earned her Amateur license and the call KC0YQJ. She currently holds an Extra and the AC0MX call. (ARNewsline, Dulkin Democrat)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline@arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937,
Arcadia, California 91066.

A reminder that the nominating period for the 2009 Amateur Radio Newsline Young Ham of the Year Award is now open. Complete details are on our website at www.arnewsline.org Just scroll down to the words "2009 YHOTY Nominations Now Open" and click for more information and an official nominating form.

Also be sure to mark April 18th as this year World Amateur Radio Day. World Amateur Radio Day will focus on the hobby as it empowers people and supports communities by providing emergency communication as well as public service oriented interaction for community and other special events.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Jim Meachen,
ZL2BHF, saying 73 and we thank you for listening.

Amateur Radio Newsline(tm) is Copyright 2009. All rights reserved.